

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 872

DATE: MAY 1, 2020

PROJECT MP0422

**The following classification changes will be effected by this Notice of Changes:**

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	H01B	subclass
	H01B	1/00
	H01B	3/00
	H01B	5/14
	H01B	7/02, 7/06, 7/12, 7/16, 7/17, 7/28, 7/282, 7/32, 7/42
	H01B	11/00, 11/02, 11/04, 11/06, 11/12, 11/16
	H01B	12/00
	H01B	13/02, 13/26, 13/30, 13/32
	H01B	17/00, 17/12, 17/28, 17/30, 17/44, 17/46, 17/56, 17/58, 17/60, 17/62, 17/64
	H01B	19/02
<b>DEFINITIONS:</b>		
Definitions New:	H01B	19/02
Definitions Modified:	H01B	subclass
	H01B	1/00
	H01B	3/00
	H01B	7/17, 7/282
	H01B	11/00
	H01B	17/00, 17/56, 17/58

**No other subclasses/groups are impacted by this Notice of Changes.**

**This Notice of Changes includes the following [Check the ones included]:**

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3.  REVISION CONCORDANCE LIST (RCL)

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4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.  CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS H01B - CABLES; CONDUCTORS; INSULATORS; SELECTION OF MATERIALS FOR THEIR CONDUCTIVE, INSULATING OR DIELECTRIC PROPERTIES**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H01B		CABLES; CONDUCTORS; INSULATORS; SELECTION OF MATERIALS FOR THEIR CONDUCTIVE, INSULATING OR DIELECTRIC PROPERTIES (selection for magnetic properties H01F1/00; waveguides H01P{; printed circuits H05K})	
M	H01B1/00	0	Conductors or conductive bodies characterised by the conductive materials; Selection of materials as conductors	
M	H01B3/00	0	Insulators or insulating bodies characterised by the insulating materials; Selection of materials for their insulating or dielectric properties	
M	H01B5/14	1	comprising conductive layers or films on insulating-supports	
M	H01B7/02	1	Disposition of insulation	
M	H01B7/06	1	Extensible conductors or cables, e.g. self-coiling cords	
M	H01B7/12	1	Floating cables	
M	H01B7/16	1	Rigid-tube cables	
M	H01B7/17	1	Protection against damage caused by external factors, e.g. sheaths or armouring	
M	H01B7/28	2	{Protection against damage caused} by moisture, corrosion, chemical attack or weather	
M	H01B7/282	3	Preventing penetration of fluid {, e.g. water or humidity,} into conductor or cable	
M	H01B7/32	1	with arrangements for indicating defects, e.g. breaks or leaks	
M	H01B7/42	1	with arrangements for heat dissipation or conduction	
M	H01B11/00	0	Communication cables or conductors	
M	H01B11/02	1	Cables with twisted pairs or quads	
M	H01B11/04	2	with pairs or quads mutually positioned to reduce cross-talk	
M	H01B11/06	2	with means for reducing effects of electromagnetic or electrostatic disturbances, e.g. screens	
M	H01B11/12	2	Arrangements for exhibiting specific transmission characteristics	
M	H01B11/16	3	Cables, e.g. submarine cables, with coils or other devices incorporated during cable manufacture	

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title</b> <b>“CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
M	H01B12/00	0	Superconductive or hyperconductive conductors, cables, or transmission lines	
M	H01B13/02	1	Stranding-up	
M	H01B13/26	2	by winding, braiding or longitudinal lapping	
M	H01B13/30	1	Drying; Impregnating (H01B13/32 takes precedence)	
M	H01B13/32	1	Filling or coating with impervious material	
M	H01B17/00	0	Insulators or insulating bodies characterised by their form	
M	H01B17/12	2	Special features of strain insulators	
M	H01B17/28	2	Capacitor type	
M	H01B17/30	2	Sealing	
M	H01B17/44	2	Structural association of insulators with corona rings	
M	H01B17/46	2	Means for providing an external arc-discharge path	
M	H01B17/56	1	Insulating bodies	
M	H01B17/58	2	Tubes, sleeves, beads, or bobbins through which the conductor passes	
M	H01B17/60	2	Composite insulating bodies	
M	H01B17/62	2	Insulating-layers or insulating-films on metal bodies	
M	H01B17/64	2	with conductive admixtures, inserts or layers	
M	H01B19/02	1	Drying; Impregnating	

\*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

## NOTES:

- \*\*No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types .
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.

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- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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## 2. A. DEFINITIONS (new)

### H01B 19/02

#### References

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Drying in general	<a href="#">F26B</a>
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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H01B	Limiting references		<u>Insert</u> the following <u>new</u> row in the existing Limiting references table.  Waveguides                      H01P
H01B	Limiting references	<p>Superconductors characterized by a ceramic forming technique or ceramic composition C04B35/00</p> <p>Conductive paints C09D5/24</p> <p>Light guides; Structural details of arrangements comprising light guides and other optical elements, e.g. coupling                      G02B6/00</p> <p>Piezo-electric or electrostrictive materials                      H01L41/00</p> <p>Transmission lines of the waveguide type, disclosing typical HF-features, e.g. propagation of non-TEM modes, multimodes or particular dimension adapted for HF-propagation                      H01P3/00</p> <p>Coaxial cables functioning as an antenna                      H01Q13/00</p> <p>Wire processing before connecting to contact members                      H01R43/28</p>	<u>Delete</u> the eight rows shown from the Limiting references table.

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
		Cables with separate protective tubings or conduits H02G3/04	
H01B	Application-oriented references		<p><u>Insert</u> the following four <u>new</u> rows in the Application-oriented references table.</p> <p>Conductive paints C09D5/24</p> <p>Insulating paper H01B3/52</p> <p>Coaxial cables functioning as an antenna H01Q13/00</p> <p>Cables with separate protective tubings or conduits H02G3/04</p>
H01B	Informative references	Optical cables; Structural details of arrangements comprising light guides and other optical elements, e.g. coupling G02B6/00	<p><u>Replace</u> the existing row in the Informative references table with the following new row.</p> <p>Light guides; Structural details of arrangements comprising light guides and other optical elements, e.g. coupling G02B 6/00</p>
H01B	Informative references		<p><u>Insert</u> the following four new rows in the Informative references table.</p> <p>Superconductors characterized by a ceramic forming technique or ceramic composition C04B35/00</p> <p>Piezo-electric or electrostrictive materials H01L41/00</p> <p>Transmission lines of the waveguide type, disclosing typical</p>



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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			HF-features, e.g. propagation of non-TEM modes, multimodes or particular dimension adapted for HF-propagation H01P3/00  Wire processing before connecting to contact members H01R43/28
H01B1/00	Limiting references	<b>Limiting references</b> <i>This place does not cover:</i>  Organic macromolecular compounds or compositions C08  Resistors H01C Selection of materials for superconductivity H01L39/00	<u>Delete</u> the entire Limiting references section.
H01B 1/00			<u>Insert</u> the following <u>new</u> Informative references section.  <b>Informative references</b> <i>Attention is drawn to the following places, which may be of interest for search:</i>  Organic macromolecular compounds or compositions C08  Resistors H01C  Selection of materials for superconductivity H01L39/00
H01B 3/00	Limiting references	Selection of piezo-electric or electrostrictive materials H01L41/00	<u>Delete</u> the entire Limiting references section.

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H01B 3/00	Informative references		<u>Insert</u> the following new row in the existing Informative references section.  Selection of piezo-electric or electrostrictive materials H01L41/00
H01B 7/17	Limiting references	<b>Limiting references</b> <i>This place does not cover:</i>  Power cables with screens H01B9/02  Communication cables with screens H01B11/06	<u>Delete</u> the entire Limiting references section.
H01B 7/17	Informative references		<u>Insert</u> the following two <u>new</u> rows in the existing Informative references section.  <b>Informative references</b> <i>Attention is drawn to the following places, which may be of interest for search:</i>  Power cables with screens H01B9/02  Communication cables with screens H01B11/06
H01B7/282	Limiting references	<b>Limiting references</b> <i>This place does not cover:</i> Insulators or insulating bodies with surfaces specially treated for preserving insulating properties, e.g. for protection against moisture, dirt H01B17/50	<u>Delete</u> the entire Limiting references section.



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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			<p>Communication cables inside power cables H01B9/003</p> <p>Waveguides H01P</p> <p>Coaxial cables being a waveguide handling frequencies in the several hundred MHz range (e.g. microwaves) H01P3/06</p> <p>Coaxial cables functioning as an antenna H01Q13/203</p>
H01B17/00	Limiting references	<p><b>Limiting references</b> <i>This place does not cover:</i></p> <p>Apparatus or processes specially adapted for manufacturing insulators or insulating bodies H01B19/00</p>	<u>Delete</u> the entire Limiting references section.
H01B17/00	Informative references	<p>Feed-throughs structurally associated with medical devices, e.g. for electrotherapy A61N 1/3754</p> <p>Section insulators for electric traction B60M 1/18</p>	<p><u>Delete</u> the following <u>two</u> rows from the Informative references table.</p> <p>Feed-throughs structurally associated with medical devices, e.g. for electrotherapy A61N 1/3754</p> <p>Section insulators for electric traction B60M 1/18</p>
H01B17/00			<p><u>Insert</u> the following <u>new</u> Application-oriented references section.</p> <p><b>Application-oriented references</b> <i>Examples of places where the subject matter of this place is covered when specially adapted,</i></p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			<p><i>used for a particular purpose, or incorporated in a larger system:</i></p> <p>Feed-throughs structurally associated with medical devices, e.g. for electrotherapy A61N1/3754</p> <p>Section insulators for electric traction B60M1/18</p> <p>Apparatus or processes specially adapted for manufacturing insulators or insulating bodies H01B19/00</p>
H01B17/56	Limiting references	<p><b>Limiting references</b> <i>This place does not cover:</i></p> <p>Insulators H01B17/02 - H01B17/54</p>	<u>Delete</u> the entire Limiting references section.
H01B17/56			<p><u>Insert</u> the following <u>new</u> Informative references section.</p> <p><b>Informative references</b> <i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Insulators H01B17/02 - H01B17/54</p>
H01B17/58	Limiting references	<p><b>Limiting references</b> <i>This place does not cover:</i></p> <p>Protective tubings for the installation of lines or cables in buildings H02G3/04</p>	<u>Delete</u> the entire Limiting references section.

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H01B17/58			<p><u>Insert</u> the following <u>new</u> Application-oriented references section.</p> <p><b><i>Application-oriented references</i></b>  <i>Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:</i></p> <p>Protective tubings for the installation of lines or cables in buildings <span style="float: right;">H02G3/04</span></p>

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.